

## Test Design Engineer

Are you looking for an opportunity to work with a multidisciplinary team on interesting and challenging projects that have a direct impact on growing the company and our product lines?

Zaber Technologies ([www.zaber.com](http://www.zaber.com)) is an established and steadily growing employee-owned company that designs, manufactures, and sells precision motion control equipment. As a member of the testing team, you'll design and implement novel systems to analyze the performance of our ever-expanding line of electromechanical devices.

In addition to defining requirements and performing error analysis, you'll have the opportunity to review and select sensors, design physical set-ups, create custom electronics, and write software for automation and data analysis. You will also run a variety of tests and provide analysis and results to a variety of internal customers, including production, customer service, and the mechanical, electronics, and firmware R&D teams.

Given the dynamic nature of the products under development, you can expect to be constantly learning new skills and tackling new problems. We deal with a wide range of different types of systems so a broad knowledge base and drive to learn is valuable. You can expect to benefit from, and contribute to, the varied skill set of the test team.

### Responsibilities

- Develop innovative test systems for the measurement of precision motion control devices
- Automate, improve, and refine existing test procedures
- Evaluate the system error of existing and proposed test systems
- Use, develop, and improve data analysis, storage tools, and processes
- Perform tests on a variety of electromechanical devices, deliver analysis and recommendations to internal customers

### Desired Qualities

- Strong drive to learn, understand, and improve. Do you go on Wikipedia binges, take apart your toaster<sup>1</sup> to see how it works, or write scripts to automate your daily tasks? We want people who like to ask 'why' and are excited about improving set-ups and processes.
- Degree in mechanical, electrical, mechatronics, computer engineering, or similar.
- Hands-on experience or aptitude. You'll be working with and troubleshooting mechanical devices, so be sure to tell us about any past work with mechanical systems.

---

<sup>1</sup> We take no responsibility for any harm done to you or your toaster as a result of applying to this job.

- Strong programming skills an asset. Experience with object oriented programming, signal processing, data management and/or Python is of particular interest.

At Zaber, we strive to create an open, friendly, and high-achieving work environment. This is an opportunity to exercise your talents and creativity, both in your work and personal projects: you'll have full access to our electrical equipment and machine shop which includes a waterjet, laser cutter, 3D printer, lathes, mills (both manual and CNC), and numerous other tools. Last, but not least, our office has several friendly dogs.

Find out directly from our employees what it's like to work at Zaber by visiting our Glassdoor profile: <http://tinyurl.com/zaber-at-glassdoor>

### **How to Apply**

This posting will be open until filled. If you are viewing this posting on a website other than Zaber's, you may want to visit [www.zaber.com/careers](http://www.zaber.com/careers) to confirm that it's still open.

Email a cover letter and resume to [careers@zaber.com](mailto:careers@zaber.com). You will hear back from us within two weeks.

In your cover letter, please describe a project you've completed yourself. Mechanical, electrical or software projects are all fine. Be sure to explain what you did, the results and what you learned. A project portfolio is not required but may be beneficial to include.

We are interested in direct applications only. No recruiters please.